

SPARCAST 30 QS

SPARCAST 30 QS is a low iron, high purity refractory castable, designed for applications which require a quick turn around of castings or shapes. Normal working time for this material is between 20 and 30 minutes, with an initial set at between 45 and 50 minutes.

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	135.0 lbs./cu.ft.
Approximate Water for Pouring	1.0 to 1.3 gal./100 lbs.
Bulk Density after 230°F	138 lbs./cu.ft

Modulus of Rupture

After Drying at 230°F	400-750 lbs/sq.in.
After Heating to 1500°F	300-550 lbs/sq.in
After Heating to 2250°F	250-500 lbs/sq.in
After Heating to 2910°F	900-1400 lbs/sq.in

Cold Crushing Strength

After Drying at 230°F	2000-3500 lbs/sq.in.
After Heating to 1500°F	1500-3500 lbs/sq.in
After Heating to 2250°F	1250-3000 lbs/sq.in
After Heating to 2910°F	2500-3500 lbs/sq.in

Linear Change, %

After Drying at 230°F	0.0
After Heating to 1500°F	0.0 to -0.2
After Heating to 2250°F	0.0 to -0.4
After Heating to 2910°F	+0.1 to +0.8

Typical Chemical Analysis, %

Al ₂ O ₃	50.0
SiO ₂	42.8
CaO	4.1
TiO ₂	1.6
Fe ₂ O ₃	0.8
MgO	0.1
Alkalies	0.6

SPARCAST 30 QS is available in 50# bags, 100# bags or 3000# bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE.

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.